

## ABSTRACT OF THE DISCLOSURE

## A METHOD AND SYSTEM FOR TRANSMITTING PACKET CHAINS

Embodiments of the present invention are directed to a method and system for processing data to be transmitted in a transmission medium, including storing in memory a segment of data to be transmitted where the segment of data is larger than the largest size data packet allowed for transmission by the transmission medium. A socket layer batch processes the segment to produce an array of linked data blocks where each data block is smaller than the largest transmission size of the TCP layer. A TCP layer batch processes the array to add a first header to each block of the array of linked data blocks. An IP layer batch processes the array to add a second header to each block of the array of linked data blocks. The socket layer then identifies blocks of the array to a communication subsystem for individual packet communication over the transmission medium.